

REMARKS

The Official Action mailed October 12, 2005, has been received and its contents carefully noted. This response is filed within three months of the mailing date of the Official Action and therefore is believed to be timely without extension of time. Accordingly, the Applicant respectfully submits that this response is being timely filed.

The Applicant notes with appreciation the consideration of the Information Disclosure Statement filed on March 29, 2004.

Claims 1-7, 10-13 and 16-29 were pending in the present application prior to the above amendment. The Applicant notes with appreciation the allowance of claims 1-7 and 10-13 (page 4, Paper No. 1005) and the indication of the allowability of dependent claims 18, 20-22, 25 and 27-29 (Office Action Summary and page 3, Id.). Independent claim 16 has been amended to incorporate the features of dependent claim 19 and allowable dependent claim 20, and independent claim 23 has been amended to incorporate the features of dependent claim 26 and allowable dependent claim 28. Claims 19, 20, 26 and 28 have been canceled. Accordingly, claims 1-7, 10-13, 16-18, 21-25, 27 and 29 are now pending in the present application, of which claims 1, 11, 16 and 23 are independent. As provided in further detail below, all claims are believed to be in condition for allowance. Favorable reconsideration is requested.

Paragraph 1 of the Official Action objects to claims 16-29 asserting that "[in] claims 16 and 23, it is unclear how a current control TFT (113, 706) is interconnected with the opposing detector for inspecting the element substrate" (page 2, Id.). In response, the Applicant has amended claim 16 by deleting "wherein a current control TFT is provided over the element substrate" and claim 23 by deleting "wherein a current control TFT and a switching TFT are provided over the element substrate." Therefore, the objections are moot. The Applicant respectfully submits that amended claims 16 and 23 are clear and definite. Accordingly, reconsideration and withdrawal of the objections are in order and respectfully requested.

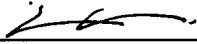
Paragraph 3 of the Official Action rejects claims 16, 19, 23 and 26 as anticipated by U.S. Patent No. 5,179,279 to Millard et al. Paragraph 5 of the Official Action rejects claims 17 and 24 as obvious based on the combination of Millard and U.S. Patent No. 5,680,056 to Ito et al.

As noted above, claims 16 and 23 now include allowable subject matter. Specifically, claim 16 has been amended to recite that an opposing detector substrate has an opposing detector electrode, and the opposing detector electrode is made of a conductor that permits the transmission of electromagnetic waves or X-rays of a wavelength of 0.01 to 100 nm. Claim 23 has been amended to recite that an opposing detector substrate has an opposing detector electrode, and the opposing detector electrode is made of beryllium or aluminum. The claims have also been amended to remove features which are not believed to be critical to the patentability of the claims. Millard and Ito, either alone or in combination, do not teach or suggest the above-referenced features of the present invention.

Since Millard and Ito do not teach or suggest all the claim limitations, a *prima facie* case of obviousness cannot be maintained. Accordingly, reconsideration and withdrawal of the rejections under 35 U.S.C. § 103(a) are in order and respectfully requested.

Should the Examiner believe that anything further would be desirable to place this application in better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number listed below.

Respectfully submitted,


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